

IN THE CLAIMS:

1. (currently amended) A compressed air supply system for a compressed air breathing apparatus with a pressure reducer connected to ~~[[the]]~~ a compressed air bottle and pressure lines connected to ~~[[the]]~~ high-pressure and medium-pressure outputs of said pressure reducer and to a lung machine and other alarm and measuring devices and other devices, ~~characterized in that it~~ wherein the compressed air supply system comprises a combined single-piece high/medium-pressure line ~~[[8]]~~ consisting of a medium-pressure hose ~~[[18]]~~ containing respiratory air and having a cross section in accordance with ~~[[the]]~~ a need for respiratory air, and a coaxial flexible high-pressure line ~~[[19]]~~ located inside said medium-pressure hose that is connected via a rotary coupling ~~[[7]]~~ to the pressure reducer ~~[[5]]~~ and a manifold block ~~[[9]]~~ for the supplied high and medium-pressure air located at ~~[[the]]~~ a wearer's front so that it can rotate in an axial direction.

2. (currently amended) The compressed air supply system according to claim 1, ~~characterized in that~~ wherein the manifold block ~~[[9]]~~ comprises a first medium-pressure connection ~~[[10]]~~ for the lung machine ~~[[11]]~~, a high-pressure connection ~~[[15']]~~ for a pressure gauge ~~[[15]]~~, a combined high/medium-pressure connection ~~[[16]]~~ for controlling an alarm whistle ~~[[17]]~~ at high pressure and for operating it at medium pressure, a high-pressure fast-fill connection ~~[[14]]~~, and a second medium-pressure connection ~~[[13]]~~.

3. (currently amended) The compressed air supply system according to ~~claims~~ claim 1 or 2, ~~characterized in that~~ wherein the flexible medium-pressure hose ~~[[18]]~~

consists of an elastomer and the flexible high-pressure line [(19)] consists of a spirally wound pipe made of a high-strength material.

4. (currently amended) The compressed air supply system according to claim 3, ~~characterized in that~~ wherein the high-pressure line [(19)] consists of a copper alloy or a compression-resistant synthetic material.

5. (currently amended) The compressed air supply system according to claim 1, ~~characterized~~ wherein

- ~~in that~~ the manifold body [(6)] of the pressure reducer [(5)] and the manifold block [(7)] form a first bearing cylinder (20) with a radially entering medium-pressure duct [(21)] and a second bearing cylinder [(22)] with an axially entering high-pressure duct [(23)] following the first in an axial direction,
- ~~in that~~ the rotary coupling [(7)] consists of a medium-pressure connecting nozzle (24, 24') and a high-pressure, connecting nozzle (32, 32') held inside said medium-pressure nozzle and sealed against it, and
- ~~in that~~ the medium-pressure connecting nozzle (24, 24') is pivoted in the first bearing cylinder [(20)] and the high-pressure connecting nozzle (32, 32') is sealed and pivoted in the second bearing cylinder [(22)], wherein
- the medium-pressure connecting nozzle [(24)] comprises a reduced diameter section [(27)] with a through hole (28, 28') for supplying medium-pressure air at the level of the medium-pressure duct [(21)], and

- the high-pressure connecting nozzle ~~[(32)]~~ has a central hole ~~(33, 33')~~ to receive the high-pressure line ~~[(19)]~~ for supplying high-pressure air.

6. (currently amended) The compressed air supply system according to claim 5, ~~characterized in that~~ wherein the high-pressure connecting nozzle ~~[(32)]~~ is pivotably held in the medium-pressure connecting nozzle ~~[(24)]~~, ~~in that~~ one O-ring ~~(30, 31)~~ each is located inside that nozzle and in the second bearing cylinder ~~and (22)~~, and ~~in that~~ the reduced diameter section is designed as an annular groove ~~[(27)]~~ with O-rings ~~[(26)]~~ on top and underneath.

7. (currently amended) The compressed air supply system according to claim 5, ~~characterized in that~~ wherein the high-pressure connecting nozzle ~~[(32')]~~ is firmly linked with the medium-pressure connecting nozzle ~~[(24')]~~ and ~~in that~~ one O-ring ~~(30', 28')~~ each is placed in the section of the second bearing cylinder ~~[(22)]~~ as well as below the reduced diameter section ~~[(27')]~~ of the medium-pressure connecting nozzle ~~[(24')]~~.

8. (currently amended) The compressed air supply system according to ~~any one of claims~~ claim 5 through 7, ~~characterized in that~~ wherein the high-pressure line ~~[(19)]~~ is fastened in an axial hole of the high-pressure connecting nozzle ~~(32, 32')~~.

9. (currently amended) The compressed air supply system according to ~~any one of claims~~ claim 5 through 8, ~~characterized in that~~ wherein the medium-pressure hose

[[18]] is attached to the portion of the medium-pressure connecting nozzle (24, 24') that protrudes from the first bearing cylinder [[20]] using a press sleeve [[29]].

10. (currently amended) The compressed air supply system according to ~~any one of claims~~ claim 5 through 9, ~~characterized in that~~ wherein the medium-pressure connecting nozzle (24, 24') is held in the manifold body [[60]] or the manifold block [[9]], respectively, by a linch pin [[25]].

11. (currently amended) The compressed air supply system according to any one of claims 5 through 10 and 14-31, ~~characterized in that~~ wherein the pressure of the high-pressure air is in the range of about 200 to 300 bars and ~~[[that]]~~ the pressure of the medium-pressure air is in the range of about 4 to 10 bars.

12. (new) The compressed air supply system according to claim 1, wherein the flexible medium-pressure hose consists of an elastomer and the flexible high-pressure line consists of a spirally wound pipe made of a high-strength material.

13. (new) The compressed air supply system according to claim 12, wherein the high-pressure line consists of a copper alloy or a compression-resistant synthetic material.

14. (new) The compressed air supply system according to claim 6, wherein the high-pressure line is fastened in an axial hole of the high-pressure connecting nozzle.

15. (new) The compressed air supply system according to claim 7, wherein the high-pressure line is fastened in an axial hole of the high-pressure connecting nozzle.

16. (new) The compressed air supply system according to claim 6, wherein the medium-pressure hose is attached to the portion of the medium-pressure connecting nozzle that protrudes from the first bearing cylinder using a press sleeve.

17. (new) The compressed air supply system according to claim 7, wherein the medium-pressure hose is attached to the portion of the medium-pressure connecting nozzle that protrudes from the first bearing cylinder using a press sleeve.

18. (new) The compressed air supply system according to claim 8, wherein the medium-pressure hose is attached to the portion of the medium-pressure connecting nozzle that protrudes from the first bearing cylinder using a press sleeve.

19. (new) The compressed air supply system according to claim 14, wherein the medium-pressure hose is attached to the portion of the medium-pressure connecting nozzle that protrudes from the first bearing cylinder using a press sleeve.

20. (new) The compressed air supply system according to claim 15, wherein the medium-pressure hose is attached to the portion of the medium-pressure connecting nozzle that protrudes from the first bearing cylinder using a press sleeve.

21. (new) The compressed air supply system according to claim 6, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

22. (new) The compressed air supply system according to claim 7, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

23. (new) The compressed air supply system according to claim 8, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

24. (new) The compressed air supply system according to claim 9, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

25. (new) The compressed air supply system according to claim 14, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

26. (new) The compressed air supply system according to claim 15, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

27. (new) The compressed air supply system according to claim 16, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

28. (new) The compressed air supply system according to claim 17, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

29. (new) The compressed air supply system according to claim 18, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

30. (new) The compressed air supply system according to claim 19, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.

31. (new) The compressed air supply system according to claim 20, wherein the medium-pressure connecting nozzle is held in the manifold body or the manifold block, respectively, by a linch pin.